

ALBERTA PUBLIC SAFETY SERVICES

90/91

# ANNUAL REPORT







PUBLIC SAFETY SERVICES

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Office of the Minister

The Honourable Dr. David Carter  
Speaker of the Legislative Assembly of Alberta  
325 Legislature Building  
Edmonton, Alberta  
T5K 2B6

Sir:

I have the honour to submit the Annual Report of Alberta Public Safety Services for the year ending March 31, 1991.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Peter Trynchy".

Peter Trynchy  
MINISTER  
Alberta Public Safety Services



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## **Report of the Managing Director**

### **Introduction**

Public Safety Services is the Alberta Government agency responsible for promoting public safety in the province.

The agency manages two specific programs: the Emergency Planning and Response program and the Dangerous Goods Control program. These programs ensure that individuals, municipalities, industry and the government itself are prepared, trained and ready to deal with emergencies and disasters when they occur. They also ensure that millions of tonnes of dangerous goods move as safely as possible on roads and highways in the province.

Public Safety Services networks with the many programs of the Government that impact on public safety to ensure that they are coordinated and have a positive effect on our daily lives.

### **Natural Disasters**

Spring and early summer brought heavy flooding over most of western Alberta and British Columbia. More than 40 municipal governments responded to the event, using their disaster plans for guidance.

Continual advice about water levels, provided by the River Forecast Centre of Alberta Environment, gave municipalities the vital information needed to conduct emergency operations. Their vigorous actions, combined with the flood protection

system which had been developed over many years, minimized damage. There were no fatalities, no injuries were reported and few if any livestock were lost.

The government quickly approved a disaster recovery program to help repair the damage and restore the damaged flood protection systems.

In parts of southeastern Alberta, a Drought Disaster Assistance program was implemented for farmers who had suffered from the extreme effects of prolonged drought conditions. The Disaster Assistance Program implemented in 1989 for West Central Alberta was completed.

At year end, \$14,195,893 had been paid out in disaster assistance grants, and \$10,336,904.40 had been disbursed in disaster loans to farmers.

### **Dangerous Goods Control**

The agency's dangerous goods control program maintained a high level of enforcement activities.

Cooperative enforcement practices which involved specially trained and designated RCMP officers, municipal police forces and Motor Transport Services of Alberta Transportation and Utilities provides over eight hundred qualified dangerous goods inspectors in addition to the ten full time experts at Alberta Public Safety Services.

New procedures for ticketing common and minor offences allowed enforcement activities to focus on the more serious infractions and reduced loads on the courts. While rigorous enforcement will remain a key part of the dangerous goods control program, we moved strongly into preventative activities. Using the statistics and accident data from our computer information systems, new accident prevention and safety oriented initiatives are being devised in conjunction with the trucking industry and its associations.

## **The War in the Gulf**

The war in the Persian Gulf brought home to Albertans the fact that we live in a fragile international environment. We received hundreds of inquiries from the general public and the media about war related concerns.

Though there was no direct impact of the Gulf war on Alberta, many people were concerned about measures to protect themselves and their families. The plans for dealing with this sort of situation, even though produced years ago in a Cold War situation, nevertheless proved to be quite practical, after some modification, for dealing with today's realities.

The agency acted as a clearing house for information and advice during the conflict, serving the Alberta government, municipalities and the general public. In the process of doing this, our plans for war situations and periods of extreme international tension were modified to meet current needs. This included updating Alberta's Vital Points list of key installations and facilities throughout the province.

APSS kept in close touch throughout the war with the Crisis Communications Centre run by Emergency Preparedness Canada (EPC) in Ottawa. We provided them with information on the mood of the people of Alberta, and what they were saying through the media about Canada's role in the conflict. EPC kept us informed about the Canadian government's concerns and plans.

## **Meeting of Ministers**

Alberta hosted a conference of ministers responsible for emergency preparedness at Barrhead, in September. The federal government and all provinces and territories, except Quebec, were represented. Important decisions were made regarding the development of a stronger national training system for emergency preparedness, support for the UN International Decade of National Disaster Reduction and for new industrial preparedness initiatives.

The meeting raised the understanding of current issues in the emergency preparedness field to new levels. Ministers also agreed to meet regularly as a council to address ongoing issues. We were all most impressed by the extraordinary hospitality and friendliness of Barrhead and its surrounding communities, who went out of their way to make our guests welcome.

## **Agency Projects**

In anticipation of the possibility of a major earthquake occurring on British Columbia's lower mainland and Vancouver Island, a federal-provincial workshop was held at the APSS Training School in December to further the planning process for the Alberta

### **Support Plan for a Catastrophic Earthquake.**

To help rural municipalities access provincial resources in the event of a major dangerous goods spill, APSS introduced the Government of Alberta Support Plan for Dangerous Goods Incidents.

The first draft of an Emergency Public Warning plan was completed this year. The plan, which will cover the City of Edmonton and all municipalities in the MD of Sturgeon and Counties of Leduc, Parkland and Strathcona, was then reviewed by Edmonton area broadcasters. Development of the hardware and software systems was initiated, and the pilot system is scheduled to become operational by the autumn of 1991.

Plans were laid for a 911 study to begin on April 2, 1991. The study will enable the government to decide whether province-wide 911 service is feasible.

### **Major Industrial Accidents Council of Canada**

Significant progress is being made to manage the risk of a serious industrial accident. The Major Industrial Accidents Council of Canada (MIACC), which is a national cooperative group, fostered a number of initiatives.

APSS continued its strong affiliation with MIACC. Alberta's MIACC group, known as MIACC-A, assembled a committee to

represent all persons with a stake in industrial site buffer zones. Related Alberta legislation was examined with a view to implementing buffer zone recommendations from the national group.

MIACC-A published a lengthy report on the choice between shelter and evacuation in the event of a toxic release. The report findings were supported by a computer software program.

Legislation involving industrial emergency plans in Alberta was researched by MIACC-A in order to identify the gaps in relation to the recommendations of the Bhopal Aftermath Review. These recommendations were made following the devastating industrial accident which occurred in Bhopal, India, in 1984 and which prompted the founding of MIACC in Canada.

### **The APSS Staff**

I would like to acknowledge the outstanding efforts of our small staff at Public Safety Services who work enthusiastically to promote public safety in Alberta. Their contributions together with those of the other government departments with whom we work closely, the many volunteers involved in our programs and our colleagues in industry have resulted in significant advances for all Albertans.



# Disaster Services Division

## General Responsibilities

Disaster Services Division provides emergency preparedness planning and advisory services for provincial and local government, and administers the Government of Alberta's special assistance programs following emergencies and disasters.

The Division coordinates municipal, provincial and industrial emergency planning and, in conjunction with Alberta Family and Social Services and Alberta Health, ensures that disaster plans are created for health care and social services functions.

The Division actively participates in emergency situations that develop beyond the capacity of a single authority, and maintains the Alberta Government Emergency Operations Centre for use in such situations.

The Division is responsible for selecting candidates from municipalities to attend courses at the Canadian Emergency Preparedness College in Arnprior, Ontario, the APSS Training School in Edmonton, as well as APSS workshops and seminars.

The Division consists of five branches:

- Plans and Operations
- Disaster Health Services
- Disaster Social Services
- Disaster Field Services
- Disaster Assistance

## Plans and Operations Branch

The Plans and Operations Branch is responsible for the development of operational concepts, policies, plans, procedures and exercises for government departments, municipalities and industry. It is also in charge of the development and maintenance of government plans to respond to emergencies and disasters.

The Branch provides professional resources to industry and to municipal, provincial and federal governments in the areas of emergency preparedness and response to emergencies and disasters.

### Planning for Major Projects

#### *Earthquake*

The first version of the Government of Alberta Support Plan for a Catastrophic West Coast Earthquake was developed in cooperation with Emergency Preparedness Canada. A workshop attended by all plan participants reviewed the draft and the second version is now underway.

#### *Emergency 911*

A consultant has been retained to conduct a province-wide 911 emergency phone line feasibility and cost study, which will be completed in 1992.

#### *Dangerous Goods Incidents*

The Government of Alberta Support Plan for Dangerous Goods Incidents has been completed. The plan is being distributed and

an exercise is being scheduled to evaluate the plan. A study on shelter versus evacuation for toxic gas releases was completed.

### ***Emergency Public Warning System***



The Emergency Public Warning pilot project, which will speed up public warning of emergencies and disasters, will be tested in September 1991.

The system is being installed in media outlets and the Public Warning Operational Plan is nearing completion.

### ***Other Plans***

Development continued on the Critical Pest Infestation Plan, Emergency Planning Guidelines for Alberta Schools, the Line Load Control Program and a revised Alberta Emergency Operations Plan.

The drafting of a Memorandum of Understanding on Emergencies with Canada and an agreement on emergencies with the Northwest Territories continued. National Emergency Arrangements also continued to be developed for food, housing and accommodation, public information, energy, health, construction and engineering.

### ***New initiatives***

APSS extended its programs to Metis Settlements and developed a Vital Points Manual which provides a mechanism to classify all critically important facilities in the province.

An inventory of landslides in Alberta is being researched with the University of Alberta, an industrial corporate emergency planning document is being produced and a project to address the Urban-Rural Wildfire interface problem has been initiated.

### ***Disaster Health Services***

Disaster Health Services assists health care facilities to develop and exercise mass casualty response and evacuation plans. A major program focus is on the delivery of disaster health preparedness workshops, lectures and seminars for health care professionals and nurses throughout the province.

### ***Special events***

Mock disaster exercises were held in 25 communities to test the effectiveness of mass casualty response plans and evacuation plans (Appendix 6b, p. 40). Disaster Health Services staff attended the Canadian Nurses Association convention in Calgary, the Alberta Hospital Association convention in Edmonton, the Alberta Hospital Association conference in Calgary, the University of Alberta Hospital 1990 Interphase conference in Edmonton and the seventh annual Emergency Medicine for Rural Hospitals program in Banff.

Staff also attended an in-service program for Stanton Yellowknife Hospital, a triage workshop for mass casualty incidents in Hobbema and a mass casualty collection lecture at Transport Canada in Edmonton.

### ***Training activities***

During the reporting period 2,099 persons participated in Health Service training programmes (Appendix 6a, p. 39).

Disaster Health Services nominated 25 candidates to attend courses conducted at the federal government's Emergency Preparedness College in Ampror, Ontario.

### ***Emergency medical stockpile***

Disaster Health Services manages a \$6 million emergency medical stockpile. This year, a major review of the Alberta portion of this stockpile was conducted and stockpile locations were inspected.

Equipment was loaned to various organizations, including the Edmonton Law Enforcement Games, the Edmonton Folk Music Festival, the Edmonton 1990 Montee

Organizing Committee and the Edmonton Birkebeiner Ski Marathon.

The Health Services Branch also participated in the development of National Emergency Arrangements.

## **Disaster Social Services**

The Disaster Social Services Branch is responsible for assisting municipalities and government departments develop plans and procedures to deal with the social services aspects of disasters and major emergencies.

### ***Training activities and exercises***

The Branch provides centralized training courses, delivers in-service extension training to response personnel and provides planning support.

This year the Branch conducted in-service sessions on Disaster Social Services at 19 Alberta Family and Social Services worksites in rural communities.

Local officials and resource personnel attended the majority of these sessions. A prototype registration and inquiry training session was held in Drayton Valley for the town's registration and inquiry team.

Disaster Social Services exercises were carried out in five Alberta municipalities for designated response personnel representing Alberta Family and Social Services. Planning meetings were held with designated personnel and managers in 18 Alberta communities. Three courses on Disaster Social Services delivery were conducted in Edmonton.

The Branch met with Alberta Health (Mental Health Division) to further define the roles of this department and Alberta Public Safety Services in emergency response.

#### ***CISD: Critical Incident Stress Debriefing***

The Branch is responsible for the coordination of the Alberta Critical Incident Stress Debriefing (CISD) program.

This involves helping with the delivery of pre-incident Critical Incident Stress Awareness Seminars for ambulance, fire and police personnel and their spouses, and also coordinating Critical Incident Stress Debriefings in conjunction with Alberta Health (Mental Health Division).

The Branch also coordinates training workshops and seminars for designated mental health professionals and emergency response personnel. Twenty in-service Critical Incident Stress Awareness seminars were provided this year to ambulance and fire departments, while four seminars were conducted for emergency staff at rural hospitals.

Branch personnel spoke on Critical Incident Stress at conferences sponsored by Occupational Health and Safety, Parks Canada, Health and Welfare Canada, the Canadian Mental Health Association, the petrochemical and airline industries, the Saskatchewan Fire Chiefs Association, and the Vancouver Fire Department. In all, 38 CISD awareness sessions were conducted.

Branch personnel were also invited to work with local mental health professionals to develop a CISD capability for the British Columbia Ministry of Health and to assist with the B.C. Ambulance Service's 10-day

training activity, provided in five B.C. communities with the support of the B.C. Ministry of Health. Similar training support activities were provided in the Yukon and Northwest Territories.

The APSS Coordination and Information Centre received 34 calls requesting Critical Incident Stress Debriefings. In all cases, briefings were provided by the Branch in conjunction with Alberta Health (Mental Health Division).

In incidents where a defusing team was needed urgently due to the nature and trauma of the incident, support systems were in place within hours.

#### ***Inventory of emergency supplies***

Inventory checks carried out by the Branch revealed that there are currently 15,451 blankets pre-positioned in 43 Alberta communities.

There are also 20 mobile feeding units and 49 reception centre kits stored in provincial buildings in communities where studies have shown there to be a need for quick access to these items.

#### ***War anxiety***

In response to the concerns over the Gulf War crisis expressed by school officials, community groups and the families of those in the war-torn area, the City of Edmonton established an Inter-Agency Committee made up of several municipal and provincial resources, including Community Social Services, the Edmonton Board of Health and Alberta Health. Branch personnel served on the committee.

A cost benefit study was carried out on the two programs delivered by the Branch. Branch staff and several municipal officials and resource agencies also participated in this study.

### **Disaster Field Services Branch**

The Disaster Field Services Branch delivers Alberta Public Safety Services programs to municipalities, industry and various agencies throughout the province.

The Branch administers its programs through District Offices located in Grande Prairie, Edmonton, St. Paul, Camrose, Red Deer, Calgary and Lethbridge.

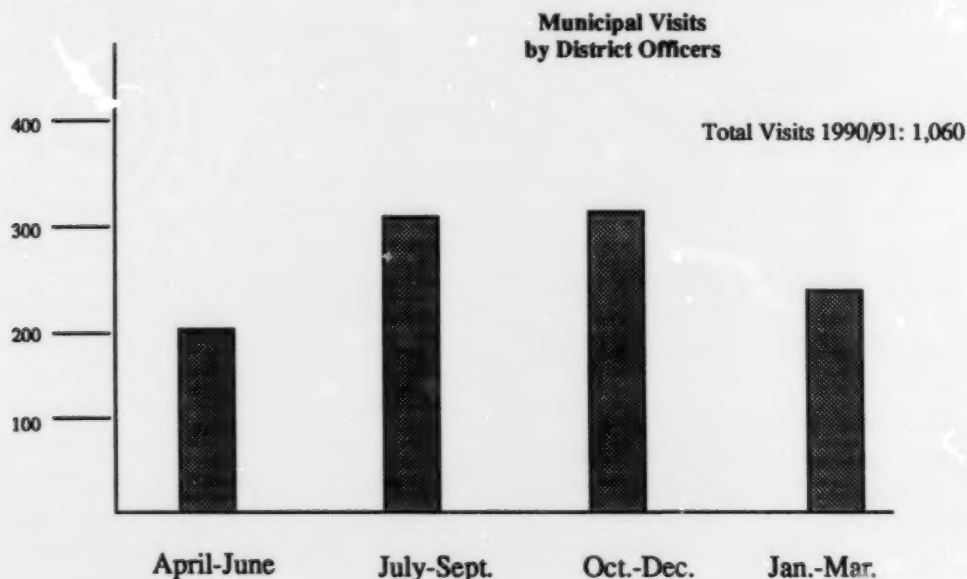
#### ***Municipal emergency preparedness***

District Officers completed 1,060 visits to municipalities to help local authorities

develop and coordinate emergency preparedness activities. Each of the 328 municipal emergency plans was reviewed, and hazard analyses and plans were updated as required.

Emergency preparedness surveys for municipalities were completed in conjunction with municipal Directors of Disaster Services. These surveys, which provide officials with detailed information on the status of emergency preparedness in their communities, include recommendations for enhancing emergency response.

District staff participated in 44 planning meetings to coordinate community response to a mass casualty incident, and assisted in 25 mass casualty exercises designed to train municipal emergency response staff and to evaluate the effectiveness of the community's emergency response plan.



Fifty-six emergency response plan simulations were conducted to train municipal officials and emergency response personnel. Following the exercises, peacetime plans were evaluated and updated as required.

#### ***Regional emergency response***

A five-year Regional Response Improvement Program, administered by Disaster Field Services, began in the last fiscal year (1989/90). This program is designed to assist municipalities with cost shared funding for projects which will improve their regional emergency response capability.

In addition to helping municipalities complete project applications, APSS District Officers monitored progress of approved projects, gathered expenditure documentation for municipal grants and participated in formal cheque presentation ceremonies.

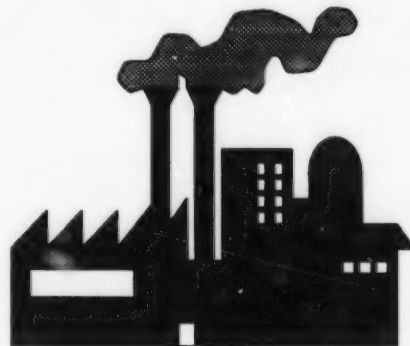
This year, 54 project applications valued at \$3,460,000 were reviewed and evaluated. A total of 14 projects costing \$1,036,000 were approved and completed, with the provincial government contributing \$200,000, the federal government \$422,000 and municipalities contributing the balance. Completion of these projects is significantly improving the emergency response capability of Alberta's municipalities.

#### ***Industrial emergency preparedness***

Emergency preparedness in the industrial and petrochemical sectors was emphasized this year.

Branch staff participated in 97 emergency planning meetings to review municipal and industrial plans. The staff worked in

conjunction with oil and gas companies, the Canadian Chemical Producers Association's Community Awareness and Emergency Response (CAER) Committee, the Strathcona District Mutual Aid Plan Committee, the Edmonton Area Pipeline and Utility Operators Committee, the Fort Saskatchewan Regional Industrial Association and the Fort Saskatchewan Mutual Aid Planning Organization to promote the integration of emergency planning between municipalities and industry.



#### ***Disaster registrations***

District Officers completed 1,689 individual disaster registrations for a major disaster assistance registration program in western Alberta. The program is aimed at individuals and municipalities who suffered losses and damage due to excessive rainfall in the summer of 1990.

#### ***Radiation Detectors***

All radiation monitoring equipment has been recovered from municipalities, overhauled and replaced in storage in all seven APSS districts. This equipment will be serviced annually and remain stored until required.

### ***Rescue kits***

Rescue kits were issued to 21 municipalities whose disaster services organization demonstrated notable progress in improving rescue service.

Each rescue kit is valued at \$4,000 and contains a portable generator and lighting system to illuminate the scenes of rescue operations. The kit also contains a high pressure airbag rescue set for heavy lifting, a come-along, a hydraulic jack, chains, ropes, stretchers and blankets. To date, rescue kits have been issued to 229 municipalities in Alberta.

This year, rescue kits were presented to:

- Red Deer
- Medicine Hat
- Black Diamond
- Bowden
- Rimbey
- Banff
- Village of Berwyn
- Village of Evansburg
- Village of Hussar
- Village of Standard
- Village of Irma
- Village of Radway
- Village of Strome
- I.D. #14 (Hamlet of Robb)
- I.D. #17 West (St. Isidore)
- I.D. #23 (Fort Vermilion)
- M.D. of Clearwater #99 (Leslieville)
- M.D. of Sturgeon #90 (Namao)
- M.D. of Spirit River #133
- County of Wetaskiwin #10 (Mulhurst)
- Summer Village of Alberta Beach

### ***Training***

District Officers nominated 91 candidates for courses at the Emergency Preparedness College in Arnprior, Ontario, and also nominated 1,084 candidates for APSS courses.

### ***Indian band emergency preparedness***

In cooperation with Indian and Northern Affairs Canada, APSS initiated the delivery of an emergency preparedness program to Indian bands in April 1990.

An additional District Officer was hired to deliver the program to all Indian bands in the province. In the first year, 54 visits to bands were completed, in which emergency awareness seminars were delivered to tribal councils and individual bands.

Three Indian bands have completed the rescue training course and will receive a rescue kit, and 35 members of Indian bands have completed the APSS Program Management Course.

### ***Disaster Assistance***

The Alberta Disaster Assistance Program, administered by the Disaster Assistance Branch, administers disaster assistance programs that have been approved by the Alberta government. The goal of these programs is to speed up recovery following a disastrous event.

### ***Edmonton tornado***

The 1987 Disaster Assistance Program for the Edmonton tornado and the

accompanying severe weather in the northern half of the province continued throughout the past year.

Some 1,517 applications were received for the program, of which 1,039 were eligible for assistance, including 215 businesses.

This program is virtually complete, except for 17 businesses which are still involved with the Industrial Recovery Assistance Program (IRAP). These will be completed in January 1992.

#### ***Flooding in Lesser Slave Lake region***

The 1988 Disaster Assistance Program for the Town of Slave Lake, Village of Kinuso and Improvement District #17 (East) area, implemented due to heavy flooding during July and August 1988, continued.

Further payments were made to the Town of Slave Lake for major costs to their municipal services infrastructure, and to the 12 businesses being monitored through IRAP. These latter cases will be finalized by December 1991.

#### ***The West Central region***

Payments were completed for the West Central Alberta 1989 Disaster Assistance Program.

#### ***Northwestern Alberta***

The Northwestern Alberta 1989 Disaster Assistance Program, announced by the Premier of Alberta on February 15, 1990, is almost complete. Of 3,371 applications received, 3,031 were eligible for disaster

assistance.

A unique feature of this program was the provision of an advance payment based on the applicant's estimate of loss and damage prior to an on-site assessment by well qualified appraisers. The appraisal process resulted in a small number of applicants having been overpaid and they have been requested to return these funds.

#### ***Western Alberta***

The Western Alberta 1990 Disaster Assistance Program was approved in response to heavy rains and flooding which occurred between May 25 and July 4, 1990 and caused significant loss and damage to homes, farms and businesses. The program is restricted to those portions of the province that experienced extraordinary conditions during the six-week period.

The areas covered include:

- I.D. #19
- The western portion of I.D. #17 (Heart River Basin)
- M.D. of Smoky River #130, west of Highway 2
- County of Grande Prairie #1
- I.D. #16
- M.D. of Brazeau #77
- M.D. of Clearwater #99
- County of Red Deer #23, west of Highway 2
- County of Mountain View #17, west of Highway 2
- M.D. of Bighorn #8

- I.D. #5
- M.D. of Rocky View #44, west of Highway 2
- M.D. of Foothills #31, west of Highway 2
- County of Lacombe #14
- County of Ponoka #3
- County of Wetaskiwin #10
- County of Leduc #25
- The portion of the County of Parkland #31 south of Highway 627 and west of Highway 60.

A total of 1,289 applications for assistance were received and the payment program will be completed in the next fiscal year.

#### ***Calgary flooding***

Severe rainstorms caused extensive damage on August 16 and 17, 1990 in the City of Calgary. A Disaster Assistance Program was announced on August 2, 1990.

Of the 364 applications for assistance, 145 have received payment, while 190 did not qualify for assistance. The program is virtually complete, with 29 outstanding applications yet to be finalized.

#### ***Southeastern Alberta drought***

The Southeastern Alberta Disaster Assistance Program 1990 is a loan program for farmers devastated by several years of drought. Assistance is in the form of loans available through the Alberta Agricultural Development Corporation (AADC).

Farmers who are able to demonstrate

significant production losses as a result of the drought are eligible for disaster assistance loans through AADC, provided they can show that their losses threaten the economic viability of their farming operation. The loans are interest-free for either two or five years, dependent upon the severity of the losses.

Where farmers meet the qualification criteria but already have outstanding debt, rather than transfer that debt load to AADC, interest benefit payments are made against the existing loans. Components were also added to the program to assist farmers with sound financial planning and long-term soil conservation practices.

The eligible area includes all or portions of:

- M.D. of Cypress #1
- County of Vulcan #2
- County of Newell #4
- M.D. of Taber #14
- Special Areas #2, #3 and #4
- M.D. of Acadia Valley #34
- M.D. of Willow Creek #26
- County of Lethbridge #26
- County of Forty Mile #8
- County of Flagstaff #29
- County of Paintearth #18
- M.D. of Provost #52

and specially designated areas of:

- M.D. of Wainwright #61
- M.D. of Starland #47
- County of Stettler #6

### ***Cost sharing***

Some of these Disaster Assistance Programs involving major and widespread loss and damage will be eligible for cost sharing under the federal government Disaster Financial Assistance Arrangements (DFAA).

Cost sharing is based on provincial population figures, and when approved, the province will be responsible for the first \$1 per capita; the next \$2 per capita will be shared 50%; the following \$2 per capita will be shared 25% by the province, 75% by the federal government; and the federal government will be responsible for 90% of the remainder.

### ***Isolated cases***

Applications for disaster assistance which do not fall within approved programs are dealt with as isolated cases. These applications are generally not eligible for assistance unless:

- the loss and damage was due to a truly disastrous event

- insurance was not generally available
- the loss or damage threatened the financial viability of the individual or business

Under certain unique circumstances municipalities may be considered for assistance under the isolated case category.

All isolated case applications are thoroughly investigated by the appropriate government department to verify the circumstances. They are then reviewed by a Disaster Assistance Committee to determine eligibility for assistance.

During this fiscal year, 97 isolated case applications were received from across the province, of which nine were granted assistance.

## Dangerous Goods Division

### General Responsibilities

The Dangerous Goods Control Division is responsible for administering the provincial Transportation of Dangerous Goods Control Act. This Act regulates the handling, offering for transport and the actual transportation of dangerous goods on Alberta's highways.

In conjunction with Transport Canada, the Division also administers highway requirements for such shipments being transported into, through, and out of the province under the federal Transportation of Dangerous Goods Act.

From the inception of the program, the Dangerous Goods Control Division has encouraged industry to voluntarily comply with the legislation which came into effect in Alberta on February 1, 1986.

During the early stages of program implementation, the Division used an extensive education and awareness campaign to work with companies and cure the detected non compliance.

Prosecution was phased in, starting in late 1987, and while awareness is still used as an option, stricter enforcement of the legislation is now the major option used by the Division to address non compliance.

Warning notices may be issued for minor infractions. These notices formally notify the violator that a specific offence has been committed. Notices also serve to help keep

track of repeat offenders. Follow-up investigations are conducted by the Division with employers, shippers or other jurisdictions. During 1990/91, a total of 781 warning notices were issued to various shippers and carriers throughout Alberta.

Prosecution was used extensively during fiscal 1990/91, the final phase of the planned evolution of program delivery. Alberta courts handed down substantial fines for 160 charges which were laid under the provincial Transportation of Dangerous Goods Control Act and the federal Transportation of Dangerous Goods Act.

### *The Dangerous Goods Control Division operates the following branches:*

*The Coordination and Information Centre (CIC)* provides general technical support to the program, helps industry comply with the legislation and enforcement personnel to interpret it. The CIC also provides technical expertise on regulated products to emergency response personnel.

The CIC provides a provincial government emergency reporting centre for all emergencies. Extensive EDP systems support to the agency is also provided by the Centre's staff. The CIC operates 24 hours a day, year round.

*The Regulatory Standards and Approvals Branch* is responsible for issuing permits under the Regulations, processing municipal

Dangerous Goods Route by-laws for Ministerial approval, and coordinating the regulatory amendment process for both the federal and provincial legislation.

The **Facilities Inspection Branch** inspects those facilities at which dangerous goods are offered for transport. The Branch handles incident investigations, and other follow-up investigations throughout the province.

The **On-Highway Inspection Branch** works with the extensive network of RCMP, municipal police and Motor Transport Service Officers who have been trained as On-Highway Dangerous Goods Inspectors.

## Legislation

Alberta's legislation is fully consistent and compatible with federal legislation that regulates similar activities with respect to air, rail and marine modes of transport as well as extra-provincial movement by highway.

The legislation defines a "dangerous good" as being any product, substance or organism specified in the Regulations or included by its nature in any of the classes prescribed. The 3,476 regulated products, substances and organisms fall into one or more of the following categories.

### ***Internationally recognized classes of dangerous goods:***

- Class 1 - *explosives;*
- Class 2 - *gases: compressed, deeply refrigerated, liquefied or dissolved under pressure;*
- Class 3 - *flammable and combustible liquids;*

- Class 4 - *flammable solids, substances liable to spontaneous combustion, and substances that on contact with water emit flammable gases;*
- Class 5 - *oxidizing substances and organic peroxides;*
- Class 6 - *poisonous and infectious substances;*
- Class 7 - *radioactive materials;*
- Class 8 - *corrosives;*
- Class 9 - *miscellaneous products, substances or organisms considered dangerous to life, health, property or the environment when handled, offered for transport or transported.*

The legislation requires that any dangerous good being transported must be classified into one of the 9 classes of dangerous goods. Once this is done, then the goods must be identified by using a series of colour coded safety marking systems, along with additional information, to ensure that emergency response personnel can quickly identify the hazards.

Additional requirements cover explanatory documentation which must accompany the shipment; markings and specifications for packaging and other containers; reporting procedures in the event of an accidental spill, emission or discharge; safety procedures which must be followed; special training which must be undertaken by shippers and carriers as well as a variety of other requirements designed to enhance public safety during the entire transportation process.

In February 1990, the Court of Queen's Bench ruled that the manner in which the province adopted Part IX of the federal regulations, dealing with reporting of spills and training of personnel, did not apply to the handling, offering for transport, or transport of dangerous goods.

This ruling has been appealed by the Department of the Attorney General. The appeal is still in progress. To ensure that these important requirements remain in effect in the province, an amendment to the provincial regulations was enacted, clearly including the training and reporting requirements.

The Dangerous Goods Control Division works very closely with Transport Canada as well as other provincial and territorial jurisdictions in an effort to ensure national uniformity in relation to all laws covering the movement of dangerous goods.

### **Coordination and Information Centre (CIC)**

Voluntary compliance with the legislation continues to be the main component of program delivery throughout the Dangerous Goods Control Division. The major resource for industry to achieve compliance is through the information that is provided by the Coordination and Information Centre.

The legal requirements for companies involved in the moving of dangerous goods is provided by the CIC's technical team, which is supported by an extensive library of data as well as computer resources.

The Centre prepares information packages, bulletins and aids to understanding the

legislation for industry and enforcement agencies.



### ***Toll-free hotline***

The CIC operates a 24 hour toll-free telephone service to handle enquiries from shippers and carriers of dangerous goods who are shipping by air, rail, marine and road modes. During fiscal 1990/1991, the CIC responded to 10,617 such enquiries.

The CIC also receives reports from enforcement agencies, other government departments, industry and the general public on dangerous occurrences. These may be accidental spills, emissions or discharges of dangerous goods for which a report is required under the Regulations.

In 1990/91, 214 dangerous goods incidents involving the highway mode were reported to the CIC. This compares with 270 such reports during 1989/90.

A number of factors may have influenced the reduction in the figures, including a greater awareness of safety requirements as a result of increased enforcement activities.

### ***Emergency Duty Centre***

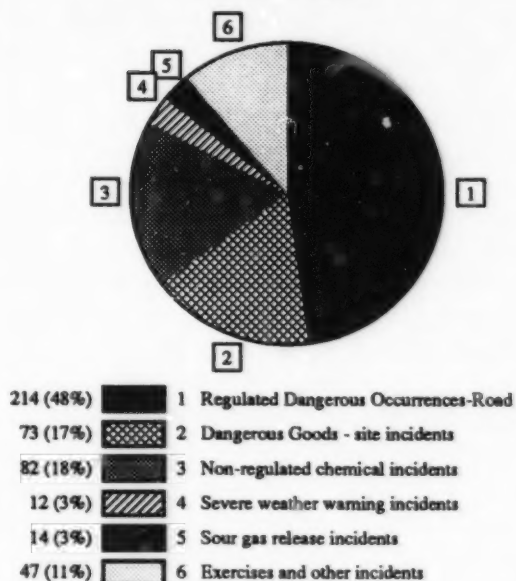
The CIC serves as the province's Emergency Duty Centre, a function of the **Disaster Services Division** of APSS. The CIC responded to 73 Disaster Services incidents and exercises during the fiscal year.

CIC personnel participated in many conferences and presented a number of papers outlining some of the results of our research work and expert knowledge.

### ***Special projects***

Demonstrating their commitment to computer projects, CIC staff upgraded the database system and related software used throughout APSS. Other projects include participation in several committees set up to oversee the development of the Land Related Information System, which is currently being spearheaded by the Department of Forestry, Lands and Wildlife.

**Coordination and Information Centre  
Incident Response**



### **Coordination and Information Centre Statistics - 1990/91**

| Month        | Enquiries | Dangerous Goods<br>Incidents | Disaster Services<br>Incidents |
|--------------|-----------|------------------------------|--------------------------------|
| April 90     | 970       | 24                           | 2                              |
| May 90       | 1,069     | 25                           | 4                              |
| June 90      | 1,100     | 21                           | 7                              |
| July 90      | 858       | 13                           | 12                             |
| August 90    | 809       | 15                           | 7                              |
| September 90 | 774       | 25                           | 7                              |
| October 90   | 938       | 16                           | 8                              |
| November 90  | 816       | 16                           | 4                              |
| December 90  | 713       | 20                           | 3                              |
| January 91   | 883       | 18                           | 8                              |
| February 91  | 785       | 13                           | 3                              |
| March 91     | 902       | 8                            | 8                              |
| Totals 90/91 | 10,617    | 214                          | 73                             |

## **Regulatory Standards and Approvals Branch**

This Branch develops regulatory standards for possible inclusion in the federal legislation and consequential adoption under the provincial Regulations.

The Branch works with industry, government and the general public to solve regulatory issues and to develop regulatory amendments to deal with areas of concern.

Additionally, the Branch works closely with the Attorney General's Department and the Federal Department of Justice on issues related to the administration and the prosecution of violations of the legislation.

### ***Permits***

The Branch issues provincial permits under the legislation. Permits can be issued in circumstances under which it is extremely difficult or impossible to fully comply with the letter of the law for a variety of reasons, or where it can be shown that an equivalent level of safety can be achieved by some method not recognized in the Regulations.

During 1990/91, 351 permits were issued, 270 permits were renewed, and 68 permits were amended. Permit applications are reviewed with all affected parties, including the federal and other provincial governments, in an effort to ensure national uniformity.

In developing the permits, the Branch will

modify the requirements of the legislation for a specific transport situation, always ensuring that public safety is not compromised by these modifications.

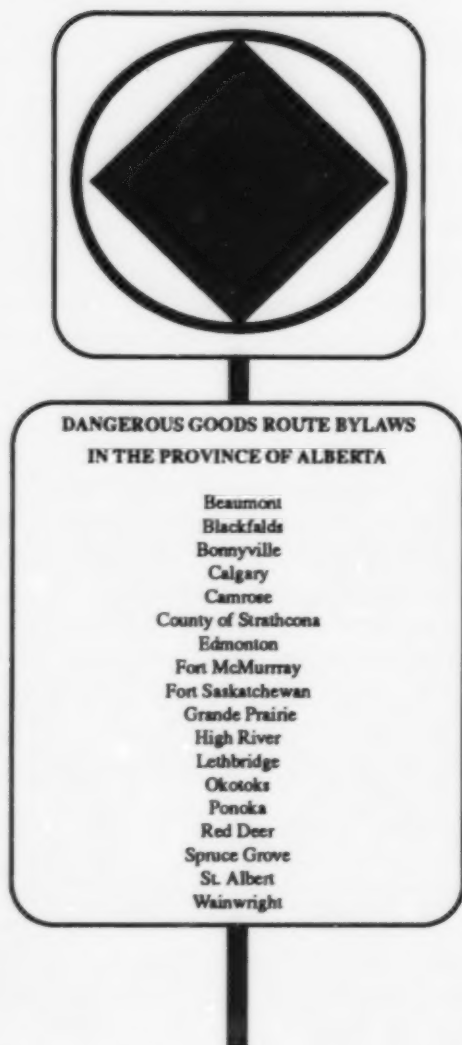
### ***Dangerous goods route by-laws***

Municipalities are authorized under the Act to pass by-laws in relation to Dangerous Goods Routes within their communities. All by-laws are subject to the approval of the Minister after review by the Branch.

Government approval is required to ensure that one municipality does not simply transfer its problems to a neighbouring community, and that the continuity of the provincial transportation system is not compromised. The process also provides a mechanism to achieve a degree of uniformity with respect to dangerous goods routing by-laws throughout the province.

The Branch helps municipalities to analyze the impacts of imposing such restrictions within their respective communities, and to draft proposed by-laws in accordance with nationally adopted criteria.

This year the Dangerous Goods Route by-law for the City of Lethbridge received Ministerial approval. Eighteen Alberta municipalities now have dangerous goods routing by-laws. Ten other municipalities received Branch assistance during the various drafting stages of their by-laws.



The Branch has been active with the administration of the voluntary SAIT/NAIT Dangerous Goods "Accredited Training Program" from which 139 students graduated this fiscal year.

## Inspection Services

Seven full time Dangerous Goods Inspectors, located in Grande Prairie (1), Edmonton (2), Red Deer (1), Calgary (2), and Lethbridge (1), carry out shipper inspections as their primary function. Inspectors also conduct follow-up investigations whenever a shipper may be involved in an on-highway offence.

### *Main duties*

The foremost function of the Dangerous Goods Inspector is to provide technical assistance to local emergency response personnel who are directly responsible for investigating the incident. The Inspector then checks for compliance with the legislation and seeks to identify factors that may lead to a reduction in the likelihood of a recurrence.

### *Investigations*

During 1990/91, one inspector year was lost due to resignations. This resulted in a drop in inspection and investigation of facilities throughout Alberta. Nevertheless, 1,663 files were attended to during the year.

A total of 131 follow-up investigations were accomplished for other provincial and federal jurisdictions, and 64 charges were laid against consignors for infractions of varying magnitude.

Inspectors continued to attend scenes of accidents in which dangerous goods were involved in spills, emissions or discharges during the course of handling, offering for transport or transportation.

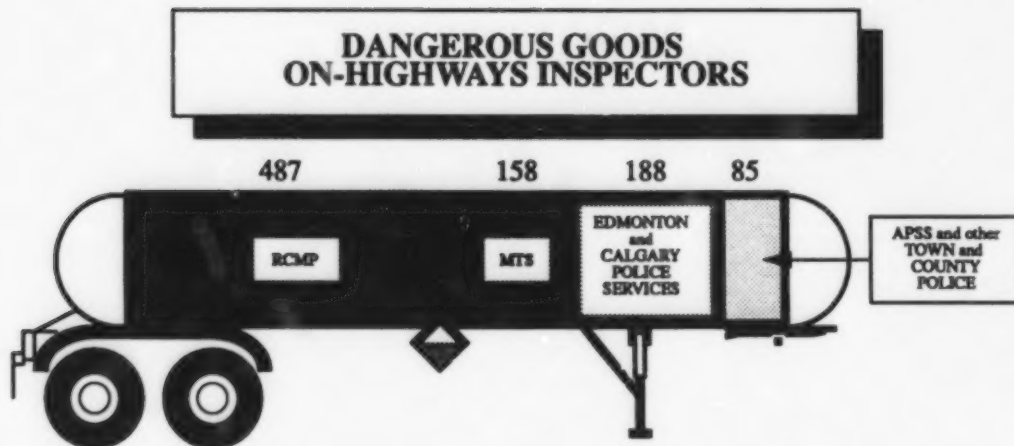
## Special Investigator

In late 1990, a special investigator position was added to the Facilities Inspection Branch by way of a divisional reorganization for the purpose of investigating potentially sensitive files. Another function of this office will be to maintain close liaison with provincial and federal government departments.

## On-Highways Inspection

To assist in safeguarding the public against the hazards of dangerous goods in the transportation cycle, 918 On-Highways Inspectors have been designated under Section 6 of the Transportation of Dangerous Goods Control Act.

On-highways inspections and enforcement duties are performed by designated police members from existing Alberta law enforcement agencies. These individuals have been provided with appropriate training in dangerous goods compliance, enforcement and officer safety so that they are prepared to respond to accidents and incidents involving dangerous goods.





## Training Division

Training Division operates a central Training School in Edmonton and is responsible for developing, organizing and delivering Alberta Public Safety Services training courses.

There are two operational branches within the Training Division: Training Delivery, and Research and Development.

Courses delivered by the Training Officers relate to emergency management, emergency response, and the transportation of dangerous goods. While most of the courses are delivered at the Training School, some are delivered throughout Alberta on an extension basis.

This year the Training Division staff reviewed and modified most of the Training School's packages. Course details can be found in the appendices on pages 41 to 44.

Significant modifications were made to the *Basic Rescue* course. This course, which prepares students for the *Rescue Leaders* course, is now offered over three rather than four evenings.

To improve community responsiveness, the delivery schedule of this course was revised to enable staff to visit all regions on an annual basis instead of selected communities once every six or seven years.



The Training School's Telpher tower is used in training rescue leaders.

A number of key changes were also implemented to the *Rescue Leaders* course, including the introduction of air bags, sewer rescue, and a modified Telfer line.

The Training School's *Rescue Centre* was improved through the acquisition of a well rescue structure and the addition of gas meters to each of the existing structures.

A number of sessions were delivered to various organizations on *Dangerous Goods* and *Disaster Planning and Response*. Training Division staff published several articles on the topic.

A ticketing module was developed and implemented for the *Dangerous Goods Facilities Inspectors Training Program*. The remainder of the program is currently under review and is being updated.

A home study package was developed, piloted and implemented for the refresher training of On-Highway Inspectors.

Training Division produced two videos: "Dyking Operations" (pertaining to liquid dangerous goods spills), and "Lifting Devices". A new system to mark disaster sites was also developed.

## Program Support Divisions

### Administration Division

Administration Division is responsible for the design, development and implementation of a records management and risk management program, as well as for the acquisition and maintenance of office accommodation and communications, and for the utilization of the RITE and WATS systems.

Further duties of the Division include the purchasing of equipment, materials, supplies, services, and CVS vehicles, as well as the disposal of obsolete, surplus or unserviceable assets.

The Division provides mail and messenger services, oversees library operations and the development of the APSS Policy and Procedures manual.

### Library

#### *Objective*

There are no readily available sources of reference material to support the technical needs of the Disaster Services or Dangerous Goods Control Divisions. The agency has established a small specialized library to provide published information to staff and the public to aid members of both groups in promoting awareness of public safety programs.

It has been a year of assessment and planning for the Library. Staff has worked to achieve a

level of service that is accurate, timely and provides access to a broad range of public safety information resources.

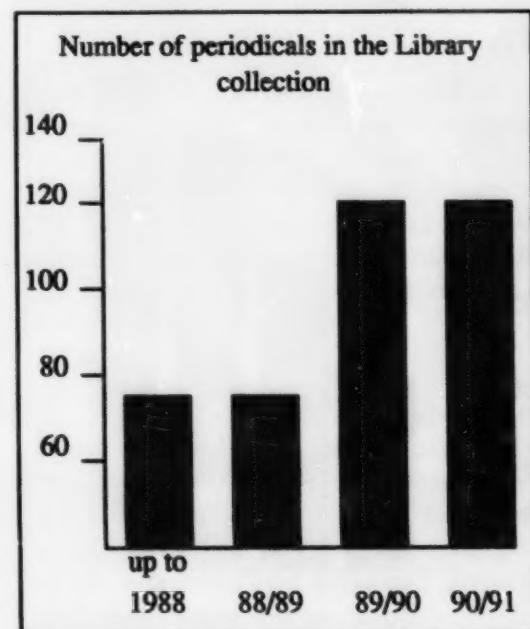
#### *Assessment of collection*

A major collection assessment project, undertaken in the previous fiscal year, continues. Now 12 per cent complete, the results highlight strengths and weaknesses in some of our satellite collections and point to improvements which can be made to the services offered to APSS staff and clients.

This fiscal year, the book collection has grown to some 4,800 items and the serial collection has remained at 122 titles.

#### *Links with other libraries*

Networking with other information centres



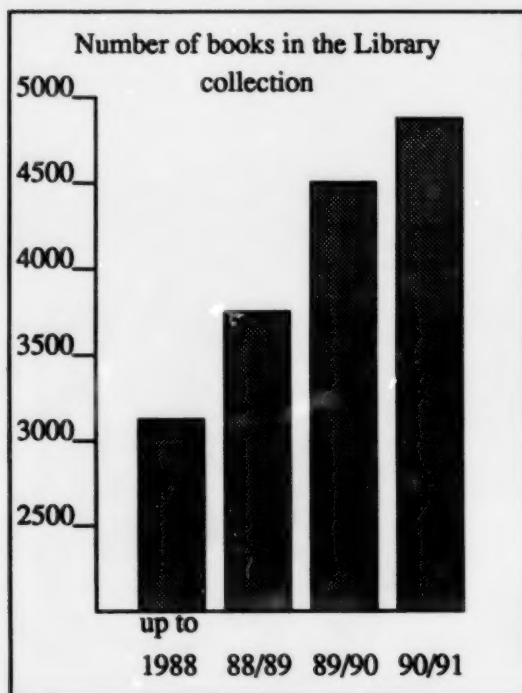
improves access to difficult to find information. To this end, the Librarian made more formal contacts with other centres throughout Canada and the United States.

A visit was made to the Natural Hazards Research and Applications Information Center in Boulder, Colorado and meetings were held with the Centre's Librarian to discuss ways of improving access to information. Other resource centres contacted this year include the Justice Institute of British Columbia and Emergency Preparedness Canada in Ottawa.

Our library acquisition lists are sent to all these facilities to improve communications between these information centres and APSS.

#### *Planning for the future*

A strategic planning process for the Library



was undertaken this year. Its purpose is to facilitate decision-making through the coming decade and to ensure the Library remains a vital support tool for the agency.

### **Personnel Division**

The Personnel Division manages salary and wage payroll administration, classification of positions, recruitment and selection, as well as employee and labour relations.

#### *Meeting training needs*

The Division helps members of the APSS staff to obtain appropriate training and development so that they are better qualified to meet division, branch and agency goals.

During the reporting period, 69 staff members attended courses sponsored by the Personnel Administration Office and Public Works, Supply and Services; three people attended degree/diploma courses through universities; and 16 individuals attended a variety of conferences. The agency also sponsored a well attended in-house first aid workshop.

One member of the APSS staff is taking part in the Government of Alberta's new Accelerated Management Training Program for Women.

#### *Recruitment*

Seven people were recruited for permanent positions, eight for wage positions and eight others were hired under the Summer Temporary Employment Program. One person was hired under the Employment Skills Program.

### ***Classification***

A total of 20 positions were either considered for classification action or updated. The Public Safety Services Officer Class Specifications and associated pay grades were approved and implemented.

## **Communications Group**

The Communications Group consists of a Director of Communications, an Information Officer, a Communications Assistant and a Graphic Artist.

The Group is responsible for establishing and maintaining good relations with the media, and for responding to calls from the media and public regarding the activities of the agency. These become particularly numerous whenever there is any incident that affects the operations of the agency. The Group also promotes the activities of the agency and helps the public and industry to prepare for man-made or natural disasters.

The major event organized this year by the Communications Group was the Meeting of Ministers Responsible for Emergency Preparedness in Canada. This conference, held in Barrhead in September, was attended by either the Minister or a senior official from every province and territory in Canada except Quebec.

The logistics, graphic requirements and many details involved in planning this conference placed a heavy load on every member of the Group and on the many volunteers from every branch of the agency, whose dedication helped to make the Meeting of Ministers an outstanding success.

The Emergency Public Information Officer Course was held three times at the Training School, and variations of this course were run for the Public Affairs Bureau and at the Haztech conference in Calgary.

The exhibition program was reduced from 12 participations last year to only four this year. The continuation of this program is currently under review.

Communications staff continued to work on redefining the corporate image of the agency. By the end of the year, this program was virtually complete.

Also by year's end, the 187-page book about the 1987 Edmonton tornado was published. *Tornado: A Report* is a collection of first-hand reports written by the key authorities who responded to the disaster.

## **Finance Division**

The Finance Division is responsible for budget preparation, processing of payments, recording and control of revenues and fixed assets in accordance with the Financial Administration Act, Treasury and departmental guidelines as they relate to the Public Safety Services and Transportation of Dangerous Goods Control Acts.

The Division provides financial advice to the Managing Director and staff, including budget and expenditure monitoring. Assistance and advice on systems and processes are provided to help staff achieve more effective and efficient program delivery.



## Appendix 1

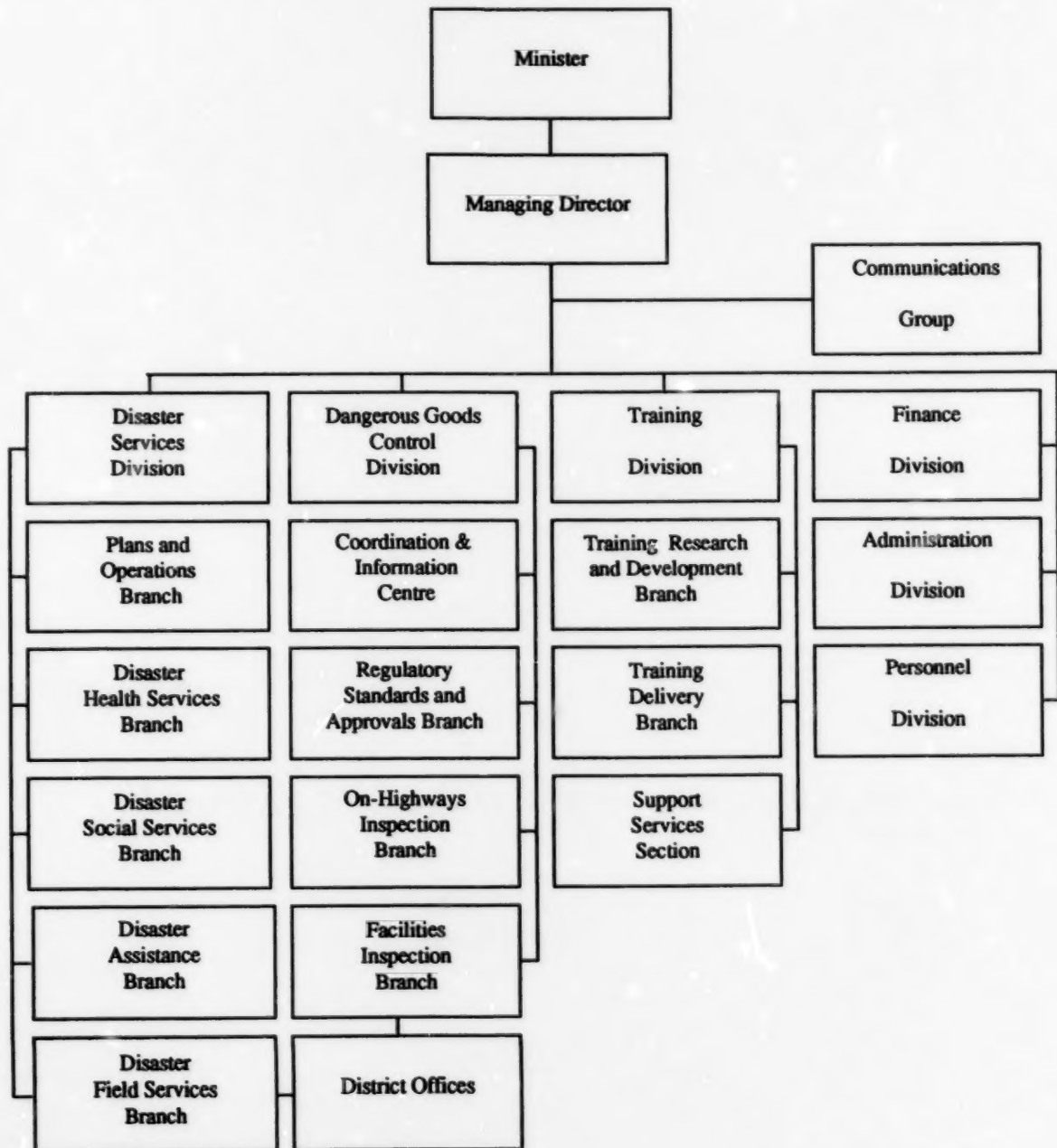
### Program Expenditures

|                                                              | Provincial<br>Expenditures<br>1989/90 | Federal<br>Contributions<br>To Provincial<br>Expenditures<br>1989/90 | Provincial<br>Expenditures<br>1990/91 | Federal<br>Contributions<br>To Provincial<br>Expenditures<br>1990/91 |
|--------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------|---------------------------------------|----------------------------------------------------------------------|
| Program Cost<br>(excluding<br>Disaster<br>Assistance)        | \$ 5,123,368                          | \$ 342,404 *                                                         | \$ 5,663,266                          | \$ 421,726                                                           |
| Disaster<br>Assistance<br>Program                            | \$ 18,483,934                         |                                                                      | \$ 22,844,244                         |                                                                      |
| Related<br>Alberta<br>Government<br>Services<br>Expenditures | \$ 94,714                             | \$ 7,500                                                             | \$ 108,035                            | \$ 7,500                                                             |
| Total                                                        | \$ 23,702,016                         | \$ 349,904                                                           | \$ 28,615,545                         | \$ 429,226                                                           |

\* Cost-sharing arrangements with the Government of Canada under the Joint Emergency Preparedness Program.

## Appendix 2

### DEPARTMENT OVERVIEW



## **Appendix 3**

### **Legislation**

**Alberta Public Safety Services is responsible for  
the administration of the following acts and  
regulations:**

**The Public Safety Services Act  
Revised Statutes of Alberta  
1985**

- Alberta Regulation 307/77, Emergency Services Regulation, with amendments up to and including Alberta Regulation 347/77
- Alberta Regulation 112/76, Emergency Planning Regulation, with amendments up to and including Alberta Regulation 71/81
- Alberta Regulation 321/85, the Disaster Assistance Regulation
- Alberta Regulation 380/85, Emergency Government Areas Regulation, with amendments up to and including Alberta Regulation 439/86

**The Transportation of Dangerous Goods Control  
Act  
1982**

- Alberta Regulation 37/86, Administration Regulation
- Alberta Regulation 383/85 with amendments up to and including Alberta Regulation 69/90, Transportation of Dangerous Goods Control Regulation

## Appendix 4

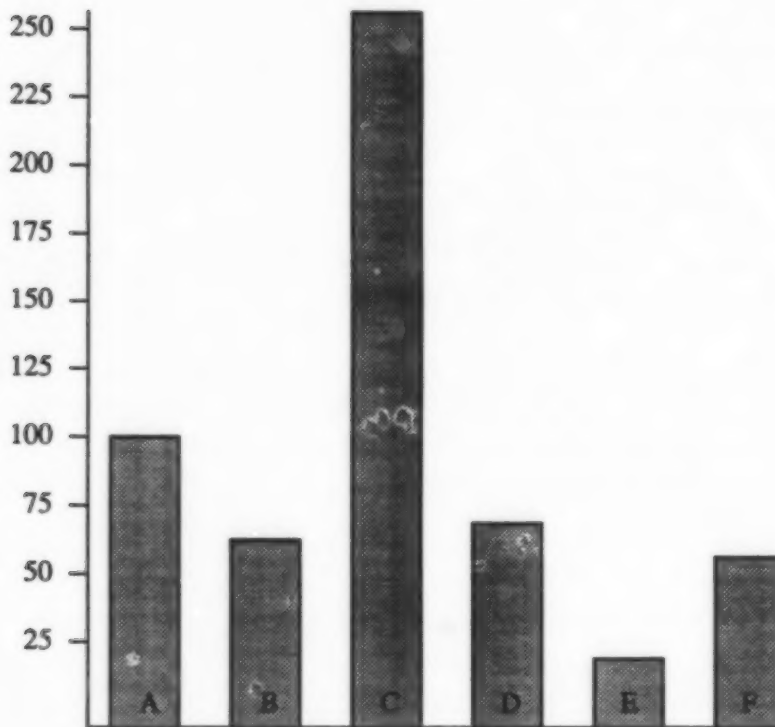
### Emergency Response Report Summary

- |     |                                                                                                                                                                                                                                                       |                      |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| 1.  | <b><i>Sour gas leak, County of Camrose</i></b><br>Well head damaged and caused sour gas leak,<br>two families evacuated.                                                                                                                              | <b>April 10 1990</b> |
| 2.  | <b><i>Natural gas line break, Fort McMurray</i></b><br>Landslide caused gasline break which affected major portion of city.                                                                                                                           | <b>May 14 1990</b>   |
| 3.  | <b><i>Petro Canada refinery fire, Strathcona County</i></b><br>Explosion and fire caused one death and several injuries.                                                                                                                              | <b>May 24 1990</b>   |
| 4.  | <b><i>Flooding, southern Alberta</i></b><br>Flooding occurred on Bow, Sheep, Highwood and Elbow Rivers.<br>Dam broke in Canmore and state of local emergency declared.<br>Government Emergency Operations Centre (GEOC) activated, sandbags supplied. | <b>May 25 1990</b>   |
| 5.  | <b><i>Flooding, southern and south central Alberta</i></b><br>Flooding occurred on Bow, Red Deer, Raven and Battle Rivers.<br>Extensive damage in some areas. GEOC activated.                                                                         | <b>June 2 1990</b>   |
| 6.  | <b><i>Pipeline spill, Crimson Lake</i></b><br>Spill from pipeline entered nearby streams and river.                                                                                                                                                   | <b>June 2 1990</b>   |
| 7.  | <b><i>Flooding, central Alberta</i></b><br>Flooding in Counties of Lacombe, Red Deer, Ponoka, Wetaskiwin.                                                                                                                                             | <b>July 5 1990</b>   |
| 8.  | <b><i>Tornado sighting, Balzac</i></b><br>Tornado sighting reported in field near Balzac. No damage or injury.                                                                                                                                        | <b>July 6 1990</b>   |
| 9.  | <b><i>Sour gas leak, Vauxhall</i></b><br>Damaged well head caused sour gas leak.<br>No evacuations but roads closed.                                                                                                                                  | <b>July 13 1990</b>  |
| 10. | <b><i>Mud slides, Cardinal River and Saddle River</i></b><br>Slides caused rivers to back up. Campers advised to leave.                                                                                                                               | <b>July 13 1990</b>  |
| 11. | <b><i>Chlorine leak, Devon</i></b><br>Chlorine tank leaked at Devon swimming pool.<br>Three people overcome by fumes.                                                                                                                                 | <b>July 16 1990</b>  |

- |     |                                                                                                                                                                      |                          |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 12. | <b><i>Natural gas leak, Edmonton</i></b><br>Natural gas line leak in west Edmonton. Approximately 250 people evacuated.<br>Highways in area closed. No injuries.     | <b>July 30 1990</b>      |
| 13. | <b><i>Flooding, Calgary</i></b><br>Heavy rain caused extensive flooding and damage in northwest Calgary.<br>GEOC activated and three families evacuated.             | <b>August 18 1990</b>    |
| 14. | <b><i>Biochemical waste in playground, Edmonton</i></b><br>Various containers of biochemical waste were strewn in playground.<br>Area cordoned and waste cleaned up. | <b>September 15 1990</b> |
| 15. | <b><i>Sweet gas release, Hobbema</i></b><br>Line blockage caused gas release, four families evacuated.                                                               | <b>October 3 1990</b>    |
| 16. | <b><i>Seed processor plant fire, Bow Island</i></b><br>Toxic fumes from plant caused 500 people to be evacuated.                                                     | <b>October 4 1990</b>    |
| 17. | <b><i>Tire fire, M.D. Brazeau</i></b><br>Tires caught fire, but flames quickly extinguished.                                                                         | <b>October 21 1990</b>   |
| 18. | <b><i>Anhydrous ammonia leak, Rimbey</i></b><br>Leak at bulk plant caused evacuation of 60 residents.<br>Four people slightly injured.                               | <b>October 24 1990</b>   |
| 19. | <b><i>Hydrochloric acid release, Lac La Biche</i></b><br>Tanker accident caused evacuation of some 50 residents.                                                     | <b>November 13 1990</b>  |
| 20. | <b><i>Propane tanker roll-over, Morningside</i></b><br>Tanker rolled causing propane leak. Highway 2 closed.                                                         | <b>November 22 1990</b>  |
| 21. | <b><i>Sour gas release, Olds</i></b><br>Well head damaged causing leak. Nine residents evacuated.                                                                    | <b>January 2 1991</b>    |

## Appendix 5

### EMERGENCY PLANS HELD AT APSS



- A: Oil and Gas Plans  
B: Active Sour Gas Plans  
C: Municipal Emergency Plans  
D: Rural Emergency Plans  
E: Airport Emergency Plans  
F: Other Plans, Including: Joint Federal-Provincial, Dam Breaches, Forest Fires, Nuclear Emergencies, Disease Management, Maps and Atlases, Industrial Emergencies

## Appendix 6a

### HEALTH SERVICE TRAINING COURSES

| Course                                       | Number of<br>Courses | Number of<br>Candidates |
|----------------------------------------------|----------------------|-------------------------|
| Mass Casualty Preparedness Seminars          | 13                   | 820                     |
| Lectures                                     | 31                   | 1,126                   |
| Disaster Health Planning Seminars            | 2                    | 50                      |
| 200-bed Emergency Hospital Training Exercise | 1                    | 42                      |
| Basic Casualty Simulation Courses            | 6                    | 61                      |
| <b>Total</b>                                 | <b>53</b>            | <b>2,099</b>            |

## Appendix 6b

### HOSPITAL EXERCISES

| No. | City/Town        | Health Care Facility              | Date      |
|-----|------------------|-----------------------------------|-----------|
| 1.  | Myrnam           | Municipal Hospital                | 02 Apr 90 |
| 2.  | Bentley          | General Hospital                  | 18 Apr 90 |
| 3.  | Elnora           | General Hospital                  | 19 Apr 90 |
| 4.  | Vilna            | Our Lady's Hospital               | 24 Apr 90 |
| 5.  | Devon            | General Hospital                  | 25 Apr 90 |
| 6.  | Mannville        | Municipal Hospital                | 26 Apr 90 |
| 7.  | Edmonton         | Alberta Hospital                  | 08 May 90 |
| 8.  | Brooks           | Health Centre                     | 16 May 90 |
| 9.  | Bassano          | General Hospital                  | 17 May 90 |
| 10. | Edmonton         | City of Edmonton                  | 24 May 90 |
| 11. | Blairmore        | Crowsnest Pass Health Care Centre | 29 May 90 |
| 12. | High River       | High River Hospital               | 30 May 90 |
| 13. | Didsbury         | Mountain View Health Care Centre  | 31 May 90 |
| 14. | Hinton           | General Hospital                  | 11 Sep 90 |
| 15. | Coaldale         | Health Care Centre                | 13 Sep 90 |
| 16. | Spirit River     | Central Peace General             | 18 Sep 90 |
| 17. | Slave Lake       | General Hospital                  | 25 Sep 90 |
| 18. | Leduc            | General Hospital                  | 02 Oct 90 |
| 19. | Ft. Saskatchewan | General Hospital                  | 03 Oct 90 |
| 20. | Wainwright       | District Health Care Complex      | 04 Oct 90 |
| 21. | Provost          | Municipal Health Care Centre      | 05 Oct 90 |
| 22. | Ponoka           | Alberta Hospital                  | 23 Oct 90 |
| 23. | Viking           | General Hospital                  | 25 Oct 90 |
| 24. | Lethbridge       | Regional Hospital                 | 30 Oct 90 |
| 25. | Lethbridge       | St. Michael's Hospital            | 30 Oct 90 |

## Appendix 7a

### CENTRAL COURSES: 1989/90 & 1990/91

(COURSES DELIVERED AT THE APSS TRAINING SCHOOL)

| Course Name                                     | Number of<br>Courses |           | Number of<br>Candidates |            |
|-------------------------------------------------|----------------------|-----------|-------------------------|------------|
|                                                 | 89/90                | 90/91     | 89/90                   | 90/91      |
| Rescue Leaders                                  | 4                    | 2         | 86                      | 57         |
| *Program Management                             | 3                    | 3         | 71                      | 63         |
| *Program Management/Indian Bands                | -                    | 1         | --                      | 32         |
| TDG Carriers & Shippers                         | 3                    | 3         | 65                      | 57         |
| Emergency Site Management                       | 3                    | 3         | 95                      | 95         |
| Emergency Public Information Officers           | 3                    | 3         | 42                      | 44         |
| NAIT Paramedic Rescue                           | 1                    | 1         | 18                      | 16         |
| Disaster Social Services                        | 3                    | 3         | 86                      | 65         |
| Disaster Health Planning                        | 2                    | 2         | 53                      | 50         |
| TDG On-Highways Inspector                       | 2                    | 2         | 29                      | 30         |
| Dangerous Goods Response                        | 2                    | 2         | 29                      | 51         |
| Public Warning System                           | 1                    | -         | 42                      | --         |
| EPC Plans and Operations                        | 1                    | -         | 28                      | --         |
| Security Safety Workshop                        | --                   | 2         | --                      | 18         |
| Disaster Social Services<br>(City of Edmonton)  | 1                    | --        | 26                      | --         |
| Working with the Media in an Emergency          | --                   | 2         | --                      | 35         |
| Critical Incident Stress Seminar                | --                   | 1         | --                      | 45         |
| **Advanced Training in Critical Incident Stress | 1                    | --        | 289                     | --         |
| TDG 2nd Responders                              | --                   | 1         | --                      | 16         |
| Inspectors Training                             | --                   | 1         | --                      | 5          |
| Environmental Health Inspectors                 | 1                    | --        | 24                      | --         |
| Disaster Response                               |                      |           |                         |            |
| Basic Rescue (Dog Handlers)                     | 1                    | --        | 8                       | --         |
| Rescue for Community Police                     | 1                    | --        | 19                      | --         |
| Radio Network Personnel                         |                      |           |                         |            |
| Casualty Simulation                             | 2                    | 6         | 20                      | 61         |
| <b>Totals</b>                                   | <b>35</b>            | <b>38</b> | <b>1,030</b>            | <b>740</b> |

\* Now called Emergency Planning for Municipalities (Indian Bands)

\*\* 1989/90 was a catch-up year in CISD Training.  
Registration numbers in subsequent years will decrease and stabilize.

## Appendix 7b

### EXTENSION COURSES: 1989/90 & 90/91

(TRAINING SCHOOL COURSES DELIVERED ON LOCATION)

| Course Name                            | Number of Courses |            | Number of Candidates |              |
|----------------------------------------|-------------------|------------|----------------------|--------------|
|                                        | 89/90             | 90/91      | 89/90                | 90/91        |
| Basic Rescue                           | 32                | 40         | 471                  | 541          |
| Dangerous Goods Awareness              | 30                | 24         | 611                  | 485          |
| TDG On-Highways Inspectors             | 1                 | 3          | 14                   | 46           |
| TDG Shippers and Carriers              | 1                 | 2          | 8                    | 22           |
| TDG Control Awareness                  | 4                 | 1          | 160                  | 18           |
| TDG Emergency Response (U of A)        | 1                 | 2          | 32                   | 58           |
| DG Awareness (special)                 | 1                 | -          | 24                   | --           |
| Emergency Site Management Orientation  | 2                 | 2          | 34                   | 40           |
| * Mass Casualty Preparedness Workshop  | 15                | 13         | 872                  | 820          |
| ** Community Health Disaster Planning  | 17                | 31         | 677                  | 1,126        |
| Lecture                                |                   |            |                      |              |
| Disaster Social Services Seminar       | 5                 | 20         | 177                  | 282          |
| *** Critical Incident Stress Awareness | 48                | 51         | 2,474                | 1,215        |
| Emergency Hospital Exercise            | --                | 1          | --                   | 42           |
| <b>Totals</b>                          | <b>157</b>        | <b>190</b> | <b>5,554</b>         | <b>4,695</b> |

\* Now called Mass Casualty Preparedness Seminar

\*\* Now called Disaster Preparedness Lecture

\*\*\* 1989/90 was a catch-up year in CISD training.

Registration numbers in subsequent years will decrease and stabilize.

## Appendix 7c

### COURSES TAKEN BY ALBERTANS OUTSIDE OF ALBERTA

*The letters in brackets represent a federal government department. Emergency Preparedness Canada (EPC) conducts a training program at the Canadian Emergency Preparedness College in Arnprior, Ontario, where most of the following courses were delivered.*

| Course Name                   |                                                                  | Number of Courses |       | Number of Candidates |       |
|-------------------------------|------------------------------------------------------------------|-------------------|-------|----------------------|-------|
|                               |                                                                  | 89/90             | 90/91 | 89/90                | 90/91 |
| (EPC/AGR)                     | Agrifood Safety Emergency Workshop                               | --                | 1     | --                   | 3     |
| (EPC/CDA)                     | Agriculture National Advisory Council                            | -                 | 1     | --                   | 3     |
| (EPC)                         | Casualty Simulation for Instructors                              | 1                 | 1     |                      |       |
| (EPC)                         | Emergency Communications                                         | 3                 | 3     | 6                    | 8     |
| (EP/HWC)                      | Emergency Health Services Planning<br>(Community)                | 6                 | 8     | 21                   | 20    |
| (EPC)                         | Emergency Operations                                             | 3                 | 4     | 9                    | 6     |
| (Indian/<br>Northern Affairs) | * Emergency Preparation Seminar                                  | --                | 1     | --                   | 1     |
| (EPC)                         | Emergency Public Information Officers                            | 2                 | 2     | 3                    | 3     |
| (EPC)                         | Emergency Site Management                                        | 4                 | 4     | 13                   | 17    |
| (EP/HWC)                      | Emergency Social Services Planning<br>(Community)                | 10                | 11    | 18                   | 18    |
| (EPC)                         | Exercise Design                                                  | 5                 | 5     | 10                   | 9     |
| (EP/HWC)                      | Emergency Services Director's Meeting                            | 1                 | 1     | 1                    | 5     |
| (EP/HWC)                      | Hospital Emergency Planning                                      | 1                 | 1     | 2                    | 2     |
|                               | Mass Casualty Triage Seminar                                     | --                | 1     | --                   | 4     |
| (EPC)                         | Mayors and Elected Officials (English)                           | 5                 | 8     | 15                   | 21    |
| (EPC)                         | Mayors and Elected Officials (French)                            | --                | 2     | --                   | 2     |
| (EPC)                         | Methods of Education and Adult Training<br>Techniques (MEATT)    | 1                 | 1     | 4                    | 3     |
|                               | National Emergency Agency for<br>Energy Electric Power Component | --                | 1     | --                   | 7     |
|                               | National Gas Component Executive<br>Training Session             | --                | 1     | --                   | 6     |
| (EPC)                         | Plans and Operations Peace (POP)                                 | 16                | 13    | 31                   | 25    |

.../cont'd

## Appendix 7c (cont'd)

| Course Name   |                                                                                 | Number of Courses |           | Number of Candidates |            |
|---------------|---------------------------------------------------------------------------------|-------------------|-----------|----------------------|------------|
|               |                                                                                 | 89/90             | 90/91     | 89/90                | 90/91      |
| (EPC)         | Programme preparation aux sinestres<br>cours d'opération d'urgence (POP French) | 1                 | 1         | 1                    | 1          |
| (EPC)         | Plans and Operations War (POW)                                                  | 1                 | 1         | 1                    | 1          |
| (EP/HWC)      | Special Care Facilities                                                         | 2                 | 2         | 2                    | 3          |
|               | Emergency Planning Course                                                       |                   |           |                      |            |
| (EPC)         | Emergency Planning Workshop                                                     | 1                 | --        | 1                    | --         |
| (EPC)         | Course Administration Seminar                                                   | 1                 | --        | 2                    | --         |
| (EPC)         | Symposium 1989:<br>The Social Cost of Disasters                                 | 1                 | --        | 1                    | --         |
| (EPC)         | Casualty Simulation Course                                                      | 1                 | 1         | 2                    | 1          |
| (EPC/AGR)     | Animal Health Management Workshop                                               | 1                 | --        | 2                    | --         |
| (EPC/AGR)     | Emergency Management Workshop                                                   | 1                 | --        | 2                    | --         |
| (EPC)         | School Board Emergency Preparedness                                             | 1                 | --        | 3                    | --         |
| (EPC)         | Radiological Defence Officers (RDO)                                             | 2                 | 1         | 2                    | 2          |
| <b>Totals</b> |                                                                                 | <b>71</b>         | <b>75</b> | <b>152</b>           | <b>171</b> |

\* Now called Emergency Planning for Municipalities (Indian Bands)